Mammals of the Manu Biosphere Reserve^{*}

Sergio Solari,[†] Víctor Pacheco,[‡] Lucía Luna,[§] Paul M. Velazco,^{||} and Bruce D. Patterson[#]

Mammals occurring in the Manu Biosphere Reserve. New additions to the faunal list are denoted by asterisks; common names not used by contributors to Wilson and Reeder (2005) are denoted by carets. Records documented during recent NSF-funded surveys of the reserve are in boldface, first listing those with museum vouchers, while sight, sound, or sign records appear in parentheses. Locality codes and their locations are listed in the Gazetteer and shown in Figure 4. Minimum and maximum elevations along the Manu transect are in meters.

	Common name	Localities	Min Max
Didelphimorphia			
Didelphidae			
Caluromys lanatus	Brown-eared Woolly Opossum	VC (CC)	380 600
Caluromysiops irrupta	Black-shouldered Opossum	It (CC)	380 450
Chironectes minimus	Water Opossum	HÈ, Sh, VC (CC, Pk)	350 600
Didelphis marsupialis	Common Opossum	Al, Co, (CC, Pk, SP, Su)	400 1920
Glironia venusta	Bushy-tailed Opossum	(CC)	380 380
* Gracilinanus aceramarcae	Aceramarca Gracile Opossum	LE	2880 2880
Gracilinanus agilis ¹	Agile Gracile Opossum	Pk	350 350
Marmosa andersoni	Anderson's Mouse Opossum ^{^2}	VC	600 600
Marmosa quichua ³	Quechuan Mouse Opossum	Pk, SI (CC)	350 1700
Marmosa rubra	Red Mouse Opossum	VC	600 600
Marmosops bishopi ⁴	Bishop's Slender Opossum	AC, CC, Pk, VC	350 600
Marmosops impavidus	Tschudi's Slender Ópossum	SP, VC	600 1460
Marmosops noctivagus	White-bellied Slender Opossum	Al, BN, CC, Co, HA, Mk, P, Pk, SP, Su	350 1920
Metachirus nudicaudatus	Brown Four-eyed Opossum	AC, CC, Co, HE, M, Mk, Pk, SP	350 1480
Micoureus regina	Bare-tailed Woolly Mouse Opossum	Al, CC, Co, HA, It, Mk, Pk	400 1050
Monodelphis emiliae	Emilia's Short-tailed Opossum	CC	380 380
Monodelphis glirina ⁵	Amazonian Red-sided Opossum	CC, Pk	350 380
Monodelphis peruviana ⁶	Peruvian Short-tailed Opossum [^]	HA, Pi, SP, Su	825 2460
* Monodelphis ronaldi ⁷	Pine's Short-tailed Opossum^	Pk	350 350
Philander opossum	Gray Four-eyed Opossum	AC, HE, Pk (CC)	350 500

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[‡] Curator and Professor, Departamento de Mamíferos, Museo de Historia Natural, Universidad Nacional Mayor de San Marcos, Apartado Postal 14-0434, Lima 14, Perú.

[§] Doctoral Candidate, Museum of Zoology, University of Michigan, Ann Arbor, MI 48109, U.S.A.

[#] MacArthur Curator of Mammals, Department of Zoology, The Field Museum, Chicago, IL 60605-2496, U.S.A.

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[†] Doctoral Candidate, Department of Biological Sciences, Texas Tech University, Lubbock, TX 79409-3131, U.S.A.

^{II} Doctoral Candidate, Department of Biological Sciences, University of Illinois at Chicago, Chicago, IL 60607, U.S.A.

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	Common name	Localities	Min Max
Paucituberculata Caenolestidae			
Lestoros inca	Incan Shrew Opossum	AA, LE, ML, Pi. SP, TE	2190 3350
Cingulata			
Dasypodidae			
Dasypus novemcinctus Priodontes maximus	Nine-banded Armadillo Giant Armadillo	VC (CC. Co) (CC)	380 1000 380 380
Pilosa			
Bradypodidae			
Bradypus variegatus	Brown-throated Sloth	(AC, CC, Pk)	350 500
Megalonychidae			
Choloepus hoffmanni	Hoffmann's Two-toed Sloth	HA (Pk)	350 500
Cyclopedidae ⁸			
Cyclopes didactylns	Silky Anteater	(CC)	380 380
Myrmecophagidae	Circle Antonio		250 201
Myrmecophaga tridactyla Tamandua tetradactyla	Giant Anteater Southern Tamandua	(CC, Pk) (CC, Pk)	350 380 350 380
Primates ⁹	Southern Famanaua	(CC. 1 K)	550 580
Cebidae			
Callimico goeldii	Goeldi's Marmoset	Al (CC)	380 400
Callithrix pygmaea	Pygmy Marmoset	(CC, Pk)	350 400
Cebus albifrons (cuscinus)	White-fronted Capuchin	Al (CC, Pk)	350 400
Cebus apella (pernanus)	Tufted Capuchin	Al, lt (AC, CC, Co, Mk,	350 1460
Saguinus fuscicollis	Brown-mantled Tamarin	Pk, SP) AC, It (CC, Pk)	350 450
Saguinus imperator	Emperor Tamarin	Al, $lt (CC, Pk)$	350 400
* Sagninus mystax ¹⁰	Black-chested Mustached Tamarin	PB	350 350
Saimiri boliviensis	Black-capped Squirrel Monkey	AC, Al, It (CC, Mk, Pk)	350 450
(<i>peruviensis</i>) Aotidae			
Aotus nigriceps	Black-headed Night Monkey	AC, Al. HE, VC (CC, Co,	350 1550
		Mk, Pk, SP)	
Pitheciidae Callicebus brunneus	Brown Titi	AC AL L (CC DL)	250 450
Pithecia irrorata	Gray Monk Saki ⁻¹¹	AC, Al, It (CC, Pk) Al (CC)	350 450 380 400
Atelidae			200 100
Alonatta sara	Bolivian Red Howler	It (CC, Mk , Pk)	350 450
Ateles chamek ¹² Lagothrix cana (tschudii)	Peruvian Spider Monkey Gray Woolly Monkey	It (CC, Pk) CS, P, Su (CC, Co, ML,	350 450 350 2150
Eugonn ix cuna (ischuun)	Gray woony Monkey	Pk, SP)	550 2150
Lagomorpha			
Leporidae			
Sylvilagus brasiliensis	Tapeti	AC, Co, Mk, P, VC (CC,	350 1000
Chiroptera		Pk)	
Emballonuridae			
Corniura brevirostris	Chestnut Sac-winged Bat	HA	680 680
Peropteryx kappleri * Peropteryx langeri	Greater Dog-like Bat	VC	600 600
* Peropteryx lencoptera Rhynchonycteris naso	White-winged Dog-like Bat Proboscis Bat	AC Pk (CC)	450 450 350 380
Saccopteryx bilineata	Greater Sac-winged Bat	Mk, Pk	350 380
Saccopteryx leptura	Lesser Sac-winged Bat	AC, P	350 450
Phyllostomidae Anoura caudifer	Tailed Tailless Bat	AC, Co, CP, HA, HE, Mk,	340 1920
Anoura cultrata	Handley's Tailless Bat	Pk, SP. Su. T CP. Su	975 1920

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	Common name	Localities	Min	Ma
Anoura geoffroyi	Geoffroy's Tailless Bat	Co, CP, HA, LE, Pi, Su, T,	780	335
. 13		TE		
Anoura sp. nov. ¹³	Andean Tailless Bat^		2450	
Artibeus lituratus	Great Fruit-eating Bat	AC, Co, HA, HE, Mk, Pk, RP, T (CC)	340	100
Artibeus obscurus	Dark Fruit-eating Bat	AC, CJ, Co, ĆP, CS, HA, HE, Mk, Pk, RP, T	340	103
Artibeus planirostris ¹⁴	Flat-faced Fruit-eating Bat^	(CC) AC, Co, CS, HA, HE, M, Mk, Pk (CC)	340	105
Carollia benkeithi ¹⁵	Southern Chesnut Short-tailed Bat	AC, AM, CJ, Co, CS, HA, M, Mk, Pk, RP, Sh, T	340	100
Carollia brevicauda	Silky Short-tailed Bat	(CC) AC, AM, BN, CJ, Co, CP, CS, HA, M, Mk, P, Pk, Qc, RP, SP, T (CC)	340	170
Carollia manu ¹⁶	Manu Short-tailed Bat^		1300	225
Carollia perspicillata	Seba's Short-tailed Bat	AC, AM, CC, CJ, Co, CP, CS, HA, M, Mk, P, Pk, RP, Sh, T		
Chiroderma salvini	Salvin's Big-eyed Bat	AC, Co, HA, Mk, Su, T	450	192
Chiroderma trinitatum	Little Big-eyed Bat	AC, CC, Co, HA, Mk, Pk,	340	100
Chiroderma villosum	Hairy Big-eyed Bat	T AC, CC, CS, HA, Mk, Pk,	340	95
Choeroniscus minor	Lesser Long-tailed Bat	HA, Mk, Pk	340	82
Chrotopterus auritus	Woolly False Vampire Bat	AC, HA (CC)	380	
Dermanura anderseni ¹⁷	Andersen's Fruit-eating Bat	AC, AM, CC, Co, HA, HE, Mk, Pk, RP, Sh	340	
Dermanura glauca	Silvery Fruit-eating Bat	AC, BN, Co, CP, HA, Mk, ML, Pi, Qc, SP, Su, T, TE (CC?)	450	335
Dermanura gnoma	Dwarf Fruit-eating Bat	AC, HA, Mk, Pk	340	68
Desmodus rotundus	Common Vampire Bat	HA, HE, Mk, Pk	340	
Diphylla ecaudata	Hairy-legged Vampire Bat	CP, HE, Pk	350	
Enchisthenes hartii	Velvety Fruit-eating Bat	AC, BN, Co, CP, HA, Mk, Pi, Qc, Su, SP, T		
Glossophaga commissarisi	Commissaris's Long-tongued Bat	Pk	350	3
Glossophaga soricina	Pallas's Long-tongued Bat	HA, HE, Pk	340	
Glyphonycteris daviesi	Graybeard Bat	Pk	350	
Lampronycteris brachyotis	Orange-throated Bat	(CJ)	365	
Lichonycteris obscura	Dark Long-tongued Bat	Pk	350	
Lionycteris spurrelli	Chestnut Long-tongued Bat	AC, CP, HA, Mk	450	
Lonchophylla handleyi	Handley's Nectar Bat	AC	450	
Lonchophylla thomasi	Thomas's Nectar Bat	AC, CC, Co, HA, HE, Mk, P, Pk, RP	350	130
Lonchorhina aurita	Common Sword-nosed Bat	Co, Mk	480	100
Lophostoma brasiliense ¹⁸	Pygmy Round-eared Bat	HÉ, Pk, RP	340	50
Lophostoma carrikeri	Carriker's Round-eared Bat	Mk	480	4
Lophostoma silvicolum ¹⁹	White-throated Round-eared Bat	AC, CP, Co, HA, HE, It, M, Pk	350	100
Macrophyllum macrophyllum	Long-legged Bat	Pk	340	34
Mesophylla macconnelli	MacConnell's Bat	AC, Al, CC, Co, HA, Pk, T	340	130
Micronycteris hirsuta	Hairy Big-eared Bat	AC, RP	490	52
Micronycteris megalotis	Little Big-eared Bat	Co, HA, Mk, Pk, Pi, RP	350	260
Micronycteris minuta	Tiny Big-eared Bat	HA, Mk, Pk	350	50
Micronycteris schmidtorum	Schmidts' Big-eared Bat ²⁰	HA, Pk, RP	350	
Mimon crenulatum	Striped Hairy-nosed Bat	Co, HA, Pk	350	
Phylloderma stenops	Pale-faced Bat	AC, Co, Pk (CC)	350	
Phyllostomus elongatus	Lesser Spear-nosed Bat	AC, Co, CS, HA, HE, M, Mk, Pk, Qc, T (CC)	340	

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	Common name	Localities	$\widetilde{\mathbf{M}}$ in	May
Phyllostoums hastatus	Greater Spear-nosed Bat	AC, BV, Co, HA, HE, It, Mk, Pk, RP (CC)	340	1000
* Platyrrhinus albericoi ²¹	Alberico's Broad-nosed Bat	Pi, SP, Su	1480	2460
Platyrrhinus brachycephalus	Short-headed Broad-nosed Bat	AC. Co, HA, HE, Mk, Pk,		
Platyrrhinns helleri	Heller's Broad-nosed Bat	RP, T (CC?) AC, CC, Co, HA, HE, Mk,	350	1400
Platyrchinus infuscus	Buffy Broad-nosed Bat	Pk, RP, T AC, Co, CP, HA, HE, It,	340	1300
Platyrrhinus masu ²²	Quechuan Broad-nosed Bat	Mk, Pk, RP, T Co. CP, HA, HE, LE, Pi,	350	335(
Platyrrhinus uigellus ²³	Blackish Broad-nosed Bat	Qc. SP, Su, TE AC, BN. Co, CP, HA, Qc,	460	1700
	Durant Little Empit Dat	RP, SP, T	250	01
Rhinophylla punilio	Dwarf Little Fruit Bat	AC. HA, HE, Mk, Pk (CC)		82:
Sphaeronycteris toxophyllum	Visored Bat	(CC)		380
Sturnira erythromos	Hairy Yellow-shouldered Bat	AA, BN, HA, LE, ML, Pi, SP, Su, TE	1050	3451
Sturnira lilinun	Little Yellow-shouldered Bat	AC, Co, HA, HE, Mk, Pk, Qc, RP, SP, T	350	150
Stuenira magna	Greater Yellow-shouldered Bat	AC, Co, CP, HA, HE, SP, Su, T	350	1920
Sturnira oporaphilum	Tschudi's Yellow-shouldered Bat	BN, Co, CP, HA, SP, T	500	1700
Sturnira tildae	Tilda's Yellow-shouldered Bat	AC, HA, Mk, Pk		780
Tonatia saurophila	Stripe-headed Round-eared Bat	CP, HA, Pk (CC)		103
Trachops cirrhosus	Fringe-lipped Bat	AC, CP, CS, HE, M, Mk,		97
Uroderma bilobatum	Common Tent-making Bat	Pk (CC) AC. Co, CP, HA, HE, Mk, Pk, Pk , Pk , T (CC)	340	1050
Uroderma magnirostrum	Brown Tent-making Bat	Pk, RP, T (CC) AC, CC, Mk, Pk	340	52
Vampyressa melissa	Melissa's Yellow-eared Bat	BN, Co, Oc, SP	1000	
Vampyressa thyone ²⁴	Northern Little Yellow-eared Bat	AC, Co, HA, Pk, T (CC)		100
Vampyriscus bidens ²⁵	Bidentate Yellow-eared Bat	AC, CP, CS, HA, Pk, T		100
Vainpyrodes caraccioli	Great Stripe-faced Bat	AC, Co, CP, HA, Mk, Pk	340	
Vampyroues caraction Vampyriun spectrum	Spectral Bat	HA(CC)	380	
Noctilionidae	Spectral bat	$\Pi A (CC)$	560	62
Noctilio albiventris	Lesser Bulldog Bat	Mk, Pk (CC)	340	48
Noctilio leporinus	Greater Bulldog Bat	Pk	350	
Furipteridae	Greater Buildog Bat	ГК	350	35
Furipterus horrens	Thumbless Bat		350	90
Thyropteridae	Thumbless Bat	HA, Pk, T	350	90
<i>Thyroptera lavali</i>	LaVal's Disk winged Bat	Mk	100	48
Thyroptera tricolor	LaVal's Disk-winged Bat	HA, Pk (CC)	480	- 4 8 - 68
Molossidae	Spix's Disk-winged Bat	HA, FK(CC)	340	00
Molossitae Molossiis uiolossus	Pallas's Mastiff Bat	UALLE DI Ch.T	250	95
• Molossus rufus	Black Mastiff Bat	HA, HE, Pk, Sh, T	350	
Nyctinomops laticandatus	Broad-eared Free-tailed Bat		1000	
* Tadarida brasiliensis		Pk	350	
Vespertilionidae	Brazilian Free-tailed Bat	Pi	2460	200
<i>Eptesicus brasiliensis</i>	Descrition Drawn Dat	LE D: C.	1000	100
	Brazilian Brown Bat	LE, Pi, Su	1900	
* Eptesicus chiriquinus	Chiriquinan Serotine	Co, Mk		100
Eptesicus furinalis * Lagiurug blaggorillii	Argentinian Brown Bat	ML, T		225
* Lasiurus blossevillii	Red Bat	Pi	2460	
Lasiurus ega	Southern Yellow Bat	Pk		35
Myotis albescens	Silver-tipped Myotis	AC, HE, Mk, Pk	340	
Myotis keaysi	Hairy-legged Myotis	AC, HA, Mk, Pi, SP, Su, TE	450	345
Myotis nigricans	Black Myotis	AC, Co, HA, Mk, Pk, RP, T, VC (CC)	350	105
* Myotis oxyotus	Montane Myotis	LE, Pi	2600	3170

Continued.

	Common name Localities	Min	Max
Myotis riparius	Riparian Myotis AC, Co, HA, HE, Mk	, Pk, 350	1480
Myotis simus	Velvety Myotis Pk	350	350
Carnivora			
Felidae			
Leopardus pardalis	Ocelot AC, Al, M (CC, HE,	Pk) 350	450
* Leopardus tigrinus ²⁶	Oncilla (SP)		1460
Leopardus wiedii	Margay Al, CS (CC)	370	400
Panthera onca	Jaguar Cñ (CC, HE, Pk)	350	1000
Puma concolor	Cougar (CC, CM, Pk, Su)	350	3450
Puma yagouaroundi	Jaguarundi (Mk, ML, Pk)	350	2200
Canidae			
Atelocynus microtis	Short-eared Dog AC, Al (CC)	380	450
Lycalopex culpaeus	Culpeo (CM, PA)	3450	3450
* Speothos venaticus ²⁷	Bush Dog (CC)	380	380
Ursidae			
Tremarctos ornatus	Spectacled Bear (BN, CM, ML, Pi, Su) 1920	3450
Mustelidae			
Eira barbara	Tayra (CC, Mk, Pk, Su)		1920
Galictis vittata	Greater Grison (CC)		380
Lontra longicaudis	Neotropical Otter Al (CC, Co, Pk, Mk)		1000
* Mustela africana ²⁸	Amazon Weasel (CC)		380
Mustela frenata	Long-tailed Weasel TE		3350
Pteronura brasiliensis	Giant Otter Al (CC, Pk)	350	400
Mephitidae			
Conepatus chinga	Molina's Hog-nosed Skunk PA (CM, LE, Pi)	2520	3450
Procyonidae	and the second se		
Bassaricyon alleni ²⁹	Allen's Olingo (CC)		380
Nasua nasua	South American Coati Al (CC, Co, Mk, Pk,		1450
Potos flavus	Kinkajou AC, Co, It (CC, Mk F SP)	° k, 350	1460
Procyon cancrivorus	Crab-eating Raccoon (CC, Co, Mk)	380	1000
Perissodactyla			
Tapiridae			
Tapirus terrestris	South American Tapir (AC, CC, Co, Mk, Pk	350	1000
		,	1000
Artiodactyla			
Tayassuidae			
Pecari tajacu	Collared Peccary AC (CC, Pk)	350	
Tayassu pecari	White-lipped Peccary Mk (CC, Pk)	350	480
Cervidae 30		2.50	2.50
Blastoceros dichotomus ³⁰	Marsh Deer (Pk)	350	
Mazama americana	South American Red Brocket Mk (CC, Pk)		480
Mazama chunyi	Dwarf Brocket (Pi, TE)		3300
Mazama gouazoubira	South American Brown Brocket (CC)	380	
Odocoileus peruvianus ³¹	Peruvian White-tailed Deer [^] LE, PA (CM)	2880	3450
Rodentia			
Sciuridae			
Microsciurus flaviventer	Amazon Dwarf Squirrel AC, Al, Co, CP, HA, (CC)	It 380	1000
Sciurus ignitus	Bolivian Squirrel Al, M, VC (Pk)	350	600
Sciurus igniventris	Northern Amazon Red Squirrel HA (VC)	600	
Sciurus sanborni ³²	Sanborn's Squirrel Al, M	350	
Sciurus spadiceus	Southern Amazon Red Squirrel AC, M, VC (CC, Pk)	350	
* Sciurus sp. ³³	[Red Squirrel—possibly new] (Su)		1920
Cricetidae ³⁴	ferra education because in the second second		
Akodon aerosus	Yungas Akodont BN, Co, ML, SP, Su	1000	2250
Akodon aerosus Akodon subfuscus	Puno Akodont AA, CM, LE, PA, Pi,		3450
2	Cloud Forest Akodont AA, CM, LE, TA, TI,		
Akodon torques	Su, TC, TE	, 1, 2190	5025

Continued.

	Common name	Localities	Min Ma
Holochilus sciureus	Amazonian Marsh Rat	CC, M	365 38
Microryzomys minutus	Montane Colilargo	AA, LE, PA, Pi, SP, Su,	1900 362
		TC, TE	
* Neacomys musseri	Musser's Neacomys	AC, SP	450 146
Neacomys spinosus	Common Neacomys	CC, Co, HE, Mk, Pk, SP,	340 148
* Neacomus sp. nov 35	[New Neacomys]	VC SP, Su	1480 210
* <i>Neacomys</i> sp. nov. ³⁵ <i>Nectomys garleppii</i> ³⁶	Garleppi's Water Rat	AC, Co, HA, Pk, SP, VC	340 150
Acciousy's gareppu	Sunoppis water rat	(CC)	510 150
Neusticomys peruvieusis ³⁷	Peruvian Ichthyomyine	AC, Pk	340 45
Oecomys bicolor	White-bellied Oecomys	AC, Al, CC, Co, HA, Pk	340 100
Oecomys phaeotis	Dusky Oecomys	BN, SP, Su, VC	600 192
Oecomys roberti	Robert's Oecomys	CC, Co, It, Pk	350 100
Oecomys superans	Large Oecomys	CC, HE, Pk	340 50
* Oecomys superans * Oligoryzomys andinus ³⁹	Long-furred Oecomys	CC	380 38
[*] Oligoryzoniys andinus	Andean Colilargo	SP, Pi, PA?	1480 345
* Oligoryzomys destructor	Tschudi's Colilargo	LE, Pi, SP, Su	1480 288
Oligoryzomys microtis	Small-eared Colilargo	AC, CC, Co, HA, M, Mk, P, Pk, Sh, Su, VC	340 190
Oligoryzonys sp. B ⁴⁰	Colilargo species B	AA, CM, LE, PA	2850 345
Oryzomys keaysi	Keays' Oryzomys	BN, Co, ML, Pi, Qc, SP,	
Ory 2011ys neugst	Reags organitys	Su	1000 210
Oryzomys levipes	Nimble-footed Oryzomys	AA, BN, LE, ML, Pi, SP,	1700 314
<i>J J I</i>	5 5	Su	
Oryzomys macconnelli	MacConnell's Oryzomys	AC, CC	380 45
Oryzomys nitidus	Elegant Oryzomys	CC, Co, CP, HA, Mk, Pk,	, 340 103
		RP	
Oryzomys perenensis	Western Amazonian Oryzomys	AC, Al, CC, Co, CS, HA,	
		HE, It, M, Mk , Pk, RP VC	,
* Oryzomys yunganus ⁴¹	Amazonian Oryzomys	cc	380 38
* <i>Oryzomys</i> sp. nov. ⁴²	[New Rice Rat]	Pi	2460 246
Oxymycterus inca	Inca Hocicudo	Co, Mk, P, SP, VC	350 148
Oxymycterus paramensis	Yungas Hocicudo	CM, PA	3350 345
Phyllotis osilae	Bunchgrass Pericote	PA	3450 345
* Rhagomys longilingua ⁴³	Long-tongued Rhagomys	Mk, Su	480 192
Rhipidomys gardneri ⁴⁴	Gardner's Rhipidomys	Pk, SP (CC)	350 148
* Thomasoniys dapline	Daphne's Thomasomys	AA, LE, Pi, TE	2460 345
Thomasomys notatus	Dusky-footed Thomasomys	Pi, SP, Su	1460 246
Thomasomys sp. nov.45	Golden Thomasomys	AA, BA, LE, ML, Pi, SP, Su, TE	1460 342
Thomasomys sp. nov.46	Montane Thomasomys	AA, LE, Su, TC, TE	1900 350
Erethizontidae	Montane Thomasoniys	AA, EE, Su, IC, IE	1900 350
Coendou bicolor	Bicolor-spined Porcupine	AC (CC, Pk)	350 48
Dinomyidae	bietion spined i oreupine		550 10
Dinomys brauickii	Pacarana	CC, Co	380 100
Caviidae			
Cavia tschudii	Montane Guinea Pig	PA	3450 345
Hydrochoeridae			
Hydrochoerus hydrochaeris	Capybara	Al (CC, Pk)	350 40
Dasyproctidae			250 100
Dasyprocta variegata ⁴⁷ Muonporta mutti	Brown Agouti^	Al, M (CC, Co, Pk)	350 100
Myoprocta pratti	Green Acouchy	Al, CC (Pk)	350 40
Cuniculidae			
Cuniculus paca	Lowland Paca	AC, Co (CC, Pk)	350 100
Cuniculus taczanowskii	Mountain Paca	BN, PA, Su, TE (Pi, LE)	1920 345
Echimyidae			
* Dactylomys boliviensis	Bolivian Bamboo Rat	Co, Mk (CC, Pk, SP)	480 145
Daetylomys daetylinus	Amazon Bamboo Rat	Т	850 90
* <i>Isothrix</i> sp. nov. ⁴⁸	[New Brush-tailed Rat]	Su	1900 193

Continued.

	Common name	Localities	Min Max
Mesoniys hispidus	Ferreira's Spiny Tree Rat	CC, Pk	340 380
Pattonomys occasius ⁴⁹	Bare-tailed Armored Tree Rat	(CC)	380 380
Proechimys brevicauda	Short-tailed Spiny-Rat	CC, Pk	350 380
Proechimys pattoni ⁵⁰	Patton's Spiny-Rat	Mk, Pk	340 480
Proechimys simonsi	Simons' Spiny-Rat	AC, Co, HE, It, M, Mk, Pk, Qc, VC	340 1180
Proechimys steerei	Steere's Spiny-Rat	CC, It, M, Pk	340 450

Total Species recorded to date: 222 Species

Taxonomic notes

¹ Recent work (Costa et al., 2003) shows that *Gracilinanus agilis* occurs primarily in the Cerrado, so this could actually be *G. buenavistae* or *G. peruana* (see Voss et al., 2005).

 2 In keeping with other honorific names for mouse opossums, the common name for this species has been changed from that in Gardner (2005).

 3 Voss et al. (2001) recognized it as a valid species from western Amazonia, different from *M. murina* which is apparently restricted to the Guyanas. Its type locality (Ocobamba, Cuzco) is close to MBR.

⁴ Previously listed by Pacheco et al. (1993) as *Marmosops parvidens* but distinguished from that form by Voss et al. (2001).

⁵ Previously listed by Pacheco et al. (1993) as *Monodelphis brevicaudata*, this follows the usage of Voss et al. (2001).

⁶ Recognition of *Monodelphis peruviana* as specifically different from *M. adusta*, previously listed by Pacheco et al. (1993), follows unpublished analyses by Solari.

⁷ This new species of short-tailed opossum was described by Solari (2004) from a specimen taken at Pakitza.

⁸ Allocation of the silky anteater to a family of its own follows reappraisals of its distinctions by McKenna and Bell (1997), Gaudin and Branham (1998), and Delsuc et al. (2002).

⁹ Substantial changes in the higher-level classification of Primates reflect ongoing phylogenetic studies—many informed by molecular sequence analyses—and the reclassifications of Rylands et al. (2000) and Groves (2001).

¹⁰ This new record for the MBR is based on a sight record by Leite-Pitman et al. (2003) from Playa Bonita, at the northern border of Manu National Park.

¹¹ In view of its broad distribution outside the Rio Tapajóz drainage, the more descriptive name used in Wilson and Cole (2000) and in various governmental listings is employed here.

¹² Collins and Dubach (2000) demonstrated the distinction of *Ateles chamek* from *A. paniscus*, placing it closer to *A. belzebuth*.

¹³ This high-elevation species is being described by V. Pacheco, S. Solari, and R. Cadenillas.

¹⁴ Simmons (2005) listed *planirostris* as a synonym of *A. jamaicensis*, but Lim et al. (2004) showed that the two are distinct and not each other's sisters, recovering the relationships ((((*obscurus + planirostris*) + *amplus*) + (*lituratus + intermedius*)) + *jamaicensis*).

¹⁵ Formerly listed as *Carollia castanea*, this new species was described by Solari and Baker (2006).

¹⁶ This new species from southeastern Peru and northern Bolivia was described by Pacheco et al. (2004) from specimens collected in the Cosñipata Valley.

¹⁷ Many authorities have treated *Dermanura*, *Koopmania*, and *Enchisthenes* as subgenera of an inclusive *Artibeus*. None disputes the monophyly of these taxa (*Koopmania* and *Enchisthenes* are monotypic) or the monophyly of an *Artibeus-Koopmania-Dermanura* clade. We follow Van Den Bussche et al. (1998) in according generic status to both *Dermanura* and *Enchisthenes*. Although *D. cinerea* had been included in earlier checklists of Manu (e.g., Pacheco et al., 1993), Solari and coworkers (in prep.) restrict this species to northern South America. Specimens formerly listed as *D. cinerea* instead represent *D. anderseni*.

¹⁸ Use of Lophostoma instead of Tonatia for these species follows Lee et al. (2002).

¹⁹ This usage follows Simmons (2005), who employed the name that d'Orbigny and Gervais associated with the text description (*"silvicolum"*), not the revised plate associated with it (*"sylvicolum"*).

²⁰ The etymology of this scientific name was in honor of brothers Frank and Karl Schmidt; the common name is accordingly amended here to reflect its plural character.

 21 This large, brightly striped species represents the southern member of what was formerly known as *P. vittatus*; it was described by Velazco (2005) from specimens collected during the recent transect.

²² This montane-forest species was formerly reported as *P. dorsalis* but corresponds to a new species described by Velazeo (2005) from transect-collected specimens.

 23 This species was formerly reported as *P. lineatus* (Pacheco et al., 1993) and is treated as a synonym of that species by Simmons (2005). Distinction of *P. uigellus* from *P. lineatus* follows Velazco and Solari (2003) and is supported by phylogenetic analyses of Velazco (2005).

 24 This species was distinguished from *Vampyressa pusilla*, as this species had been previously listed (Pacheco et al., 1993), by the molecular analyses of Lim et al. (2003).

²⁵ Porter and Baker (2004) have shown that *Vanpyressa* s.l. is paraphyletic—*M. macconnelli* is sister to a group of species (including *unelissa, thyone,* and *pusilla*) properly called *Vanpyressa*, but a second group of species is basal to that clade. Accordingly, they allocated *brocki* and *bidens* to the genus *Vanpyriscus* and separate *Mesophylla* from the Central American *Ectophylla*, where it sometimes has been placed.

²⁶ During our field survey at San Pedro (2000), Roland Kays identified this small spotted cat over a bamboo field near our camp.

²⁷ New MBR record based on a sight record and tracks from Cocha Cashu, by Leite-Pitman et al. (2003).

²⁸ This new record for MBR is based on track records at Cocha Cashu by Leite-Pitman et al. (2003).

 29 Use of *Bassaricyou alleni* for Peruvian populations of olingo (in place of *B. gabbii* as this record was previously listed) follows Wozencraft (2005).

³⁰ For purposes of their meta-analysis, Voss and Emmons (1996) excluded Pacheco and Vivar's (1996) record of swamp deer from their list of forest animals of Cocha Cashu and Pakitza, believing it to be a savanna transient. However, there is no question concerning the accuracy or authenticity of the record.

³¹ Recognition of Peruvian white-tailed deer as the distinct species *Odocoilens peruvianus* follows the provisional treatment of Molina and Molinari (1999).

³² Recognized as a valid species by Thorington and Hoffmann (2005); however, its status was early questioned by Voss and Emmons (1996).

³³ On two occasions during our camp at Suecia, different parties observed a small reddish-brown squirrel obviously larger than *Microsciurus* yet decidedly smaller than *Sciurus igniventris* or *S. spadiceus*. It appeared less reddish and more brown than *S. pyrthinus* from the Huallaga drainage but may be related to that form.

³⁴ Inclusion of the subfamily Sigmodontinae in Cricetidae instead of Muridae follows Steppan et al. (2004) and Musser and Carleton (2005).

³⁵ This species is being described by Luna and Patterson.

³⁶ Amazonian *Nectomys* are distinguished from *Nectomys squamipes* of the Atlantic Forest by their chromosomes (Bonvicino et al., 1996). Species limits in Amazonian water rats, especially *N. apicalis* and *N. garleppii*, need further investigation (Patton et al. 2000). With a type locality in Ocobamba, Cuzco, the name *garleppii* certainly applies to Manu populations, whether or not it proves to be distinct from *apicalis*.

³⁷ Pending further study, the two ichthyomyine records for MBR are listed as a single species.

³⁸ New record based on specimens from Cocha Cashu reported by Leite-Pitman et al. (2003).

³⁹ This seems to be the best name for this small and grayish "colilargo," which occurs within the geographic and altitudinal range described by Carleton and Musser (1989).

 40 This undescribed species is identified by the same name it was designated in Carleton and Musser's (1989) revision of *Microryzomys*. The awkwardness of this nomenclature and the abundance, ubiquity, and ecological roles of colilargos as agricultural pests and reservoirs for disease vectors warrant renewed attention to revisions of this group.

⁴¹ New record based on specimens from Cocha Cashu reported by Leite-Pitman et al. (2003).

⁴² Patterson and Luna are evaluating the distinctions of this species.

 43 This distinctive mouse was described by Luna and Patterson (2003) in the enigmatic sigmodontine genus *Rhagomys*, hitherto known only from coastal Brazil (see also Percequillo et al., 2004). Its relationships to other sigmodontines are assessed in D'Elia et al. (2006), who relate it to the Andean endemics *Aepeomys* and *Thomasomys* as well as the widespread genus *Rhipidomys*.

⁴⁴ This species was listed by Terborgh et al. (1984) and Pacheco et al. (1993) as *Rhipidomys leucodactylus* but represents the distinct species *R. gardneri* for reasons discussed by Patton et al. (2000).

⁴⁵ This new species, denoted *Thomasomys* sp. 1 in Pacheco (2003), is a member of the *aureus* group and was earlier listed by Pacheco et al. (1993) as that species.

 46 This new species, denoted *Thomasomys* sp. 9 in Pacheco (2003), is a member of the *oreas* group and was earlier listed by Pacheco et al. (1993) as that species. Also includes a specimen from Tres Cruces previously listed as *T. gracilis*.

⁴⁷ Usually called *Dasyprocta punctata*, both the scientific and common names for the smaller agouti follow Emmons and Feer (1997).

⁴⁸ This crested cloud forest rodent was pictured in Patterson (2002) and is being described by Patterson and Velazco.

⁴⁹ This species was previously recognized and listed as an *Echimys*; its removal from that genus is justified by Emmons (1993) and Patton et al. (2000). This new genus has recently been erected by Emmons (2005).

⁵⁰ This species was previously listed as *Proechimys* sp. nov. (Pacheco et al., 1993) and was subsequently described by da Silva (1998).

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